

CLAIMS

- Spec A*
1. A head-mounted display apparatus, comprising:
a front frame on which a display part is mounted
through a holding member in a stowable manner, said
display part being rotatable in forward and reverse
directions;
side frames which are connected respectively to
two end parts of said front frame by hinge parts in a
state of being movable to inner stowed positions by
turning the hinge parts, said head-mounted display
apparatus being capable of being mounted and held on the
head of a user with an elastic force generated by
spreading said side frames; and
earphone holding members arranged on said side
frames to hold earphones.
 2. A head-mounted display apparatus according to
claim 1, wherein each of said earphone holding members is
composed of an elastic body fixed to a lower side of each
of said side frames and is arranged to hold, with an
elastic force, a stem part of each of the earphones
inserted into said elastic body.
 3. A head-mounted display apparatus according to
claim 2, wherein one of said earphone holding members is
arranged to further hold a cable connected to said
display part.

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4. A head-mounted display apparatus according to claim 1, wherein, when said display part and said side frames are stowed on an inner side of said front frame, a fore end part of each of said side frames is located outside of an observation window provided in said display part.

5. A head-mounted display apparatus according to claim 1, wherein each of said side frames is formed by covering a core member with an elastic member which is provided with an inserting hole for inserting said core member, and a hole communicating with said inserting hole is formed also in said elastic member, in a part on one side thereof not abutting on the head of the user, for supporting a mold used in forming said elastic member by molding.

6. A head-mounted display apparatus according to claim 5, wherein said elastic member is formed to have a thickness thereof increased on one side of said inserting hole on which said elastic member abuts on the head of the user and decreased on the other side on which said elastic member does not abut on the head of the user.

7. A head-mounted display apparatus, comprising:
a front frame on which a display part is mounted;
right and left side frames which are connected

respectively to two end parts of said front frame by hinge parts in a foldable manner;

a mount pad disposed in a position of said front frame opposite to the forehead of a user; and

elastic members provided in parts of said right and left side frames located opposite to the temple parts of the user,

wherein said mount pad is arranged to be urged toward the forehead of the user by elastic forces of said right and left side frames generated toward the head of the user, and each of said elastic members covers one of said right and left side frames and is provided with a hole on a part thereof.

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8. A head-mounted display apparatus according to claim 7, wherein each of said right and left side frames has a thickness thereof thicker on an inner side thereof which abuts on the head of the user than on an outer side thereof, and said hole is formed in a part on the outer side of each of said right and left side frames.

9. A head-mounted display apparatus according to claim 7, wherein a cable holding part is formed at one of said right and left side frames.

10. A head-mounted display apparatus, comprising:
a front frame on which a display part is mounted;

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right and left side frames which are connected respectively to two end parts of said front frame by hinge parts in a foldable manner;

a mount pad disposed in a position of said front frame opposite to the forehead of a user; and

elastic members provided in parts of said right and left side frames located opposite to the temple parts of the user,

wherein said mount pad is arranged to be urged toward the forehead of the user by elastic forces of said right and left side frames generated toward the head of the user, and said elastic members are arranged to be located on the outside of said display part in a state obtained when said right and left side frames are folded with respect to said front frame.